SWP Water Quality Summary

October 21, 2004

Total Dissolved Solids: TDS at all locations remained above the Article 19 Ten Yr Average Objective of 220 mg/l. The highest concentration of 332 mg/l occurred at Banks Pumping Plant (BPP), while the lowest concentration of 152 mg/l occurred at Barker Slough on October 18, 2004. TDS slightly increased at all locations except at Barker Slough where it remained unchanged.

Bromide concentrations: Bromide at all locations except Barker Slough increased above the CBDA Objective of 0.05 mg/l. The highest concentration of 0.27 mg/l occurred at Check 29 while Barker Slough had the lowest concentration of 0.03 mg/l both on October 18.

Turbidity: Slightly increase from 60 to 67 NTU on October 18 at Barker Slough while a slight decrease occurred at Devil Canyon and Vallecitos. The lowest concentrations of 1 NTU occurred at Devil Canyon on October 18, 2004.

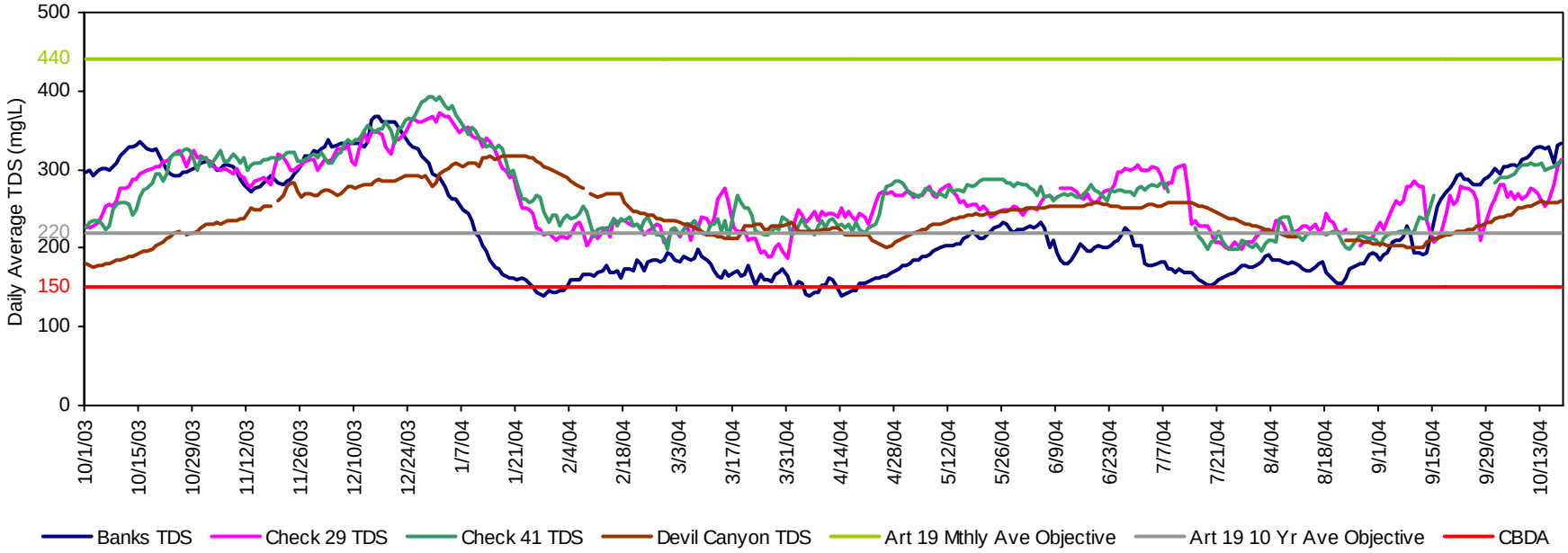
Dissolved Organic Carbon: DOC increased slightly at Check 13 from 3.3 to 3.6 mg/l on October 18 while the concentrations at Banks Pumping Plant and Check 41 decreased slightly below the CBDA Objective of 3.0 mg/l.

Taste and Odor Compounds: MIB ranged from 4 to 6 ng/l at Banks Pumping Plant, Clifton Court and Del Valle Check 7. Geosim concentration at Clifton Court outlet was higher at the outlet. Concentrations of MIB at Lake Perris averaged 52 ng/l. Jones Track MIB and geosmin were 5 and 6 ng/l on October.

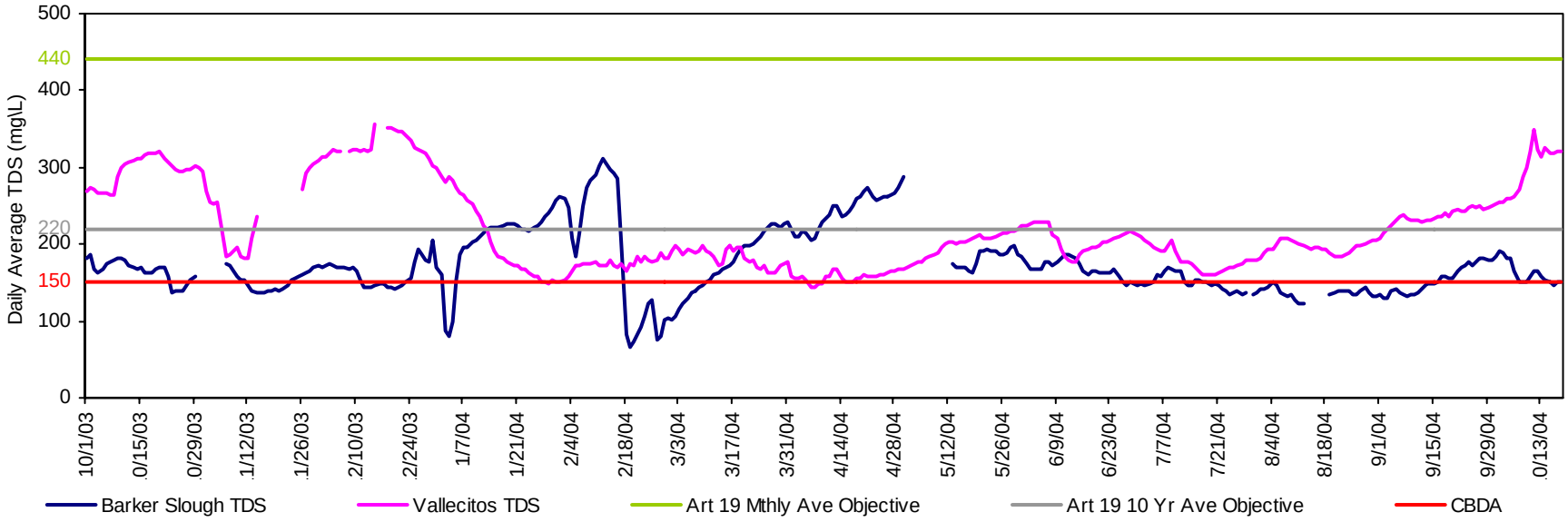
Ground Water Pump-in: Ground water pump-in from AEWSD, KernWaterBank and Semitropic continued. However, during last three weeks, the water quality from Semitropic was higher in salt, bromide and arsenic compared to the aqueduct. Semitropic pump-in has been limited to 200 cfs until arsenic levels decline.

For more information refer to: http://wwwomwq.water.ca.gov and
http://wwwdpla.ca.gov/supply/sampling/mwq/main.htm

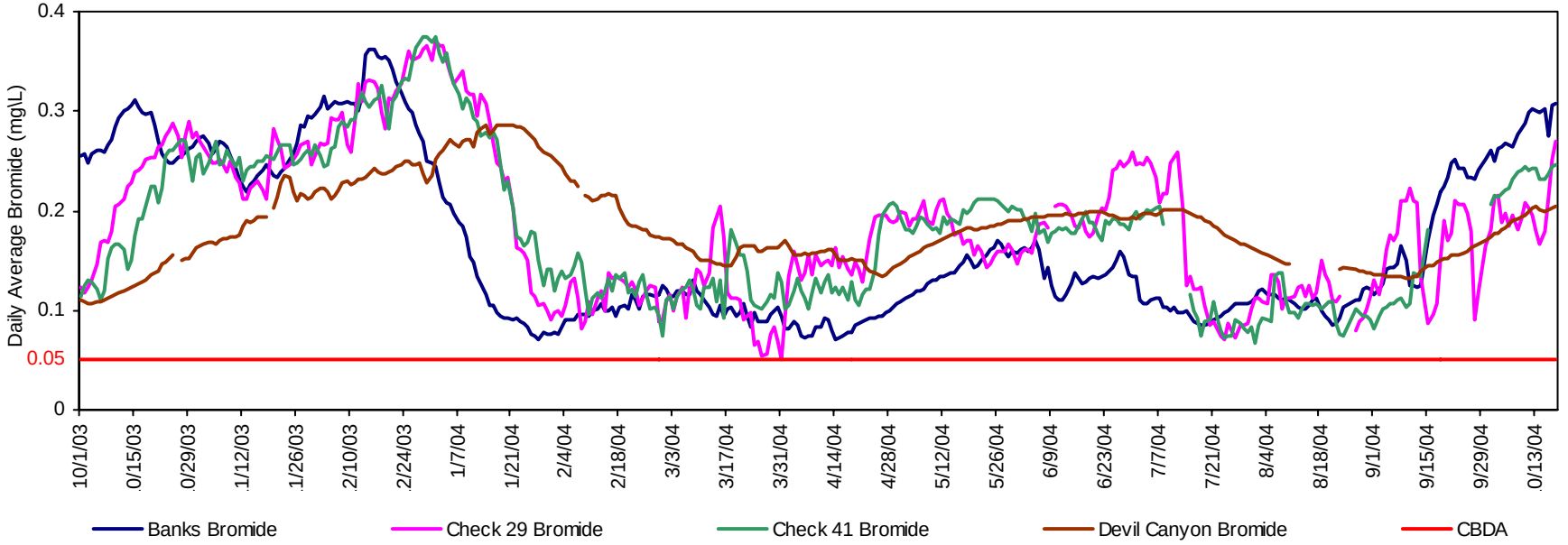
California Aqueduct - Calculated Total Dissolved Solids



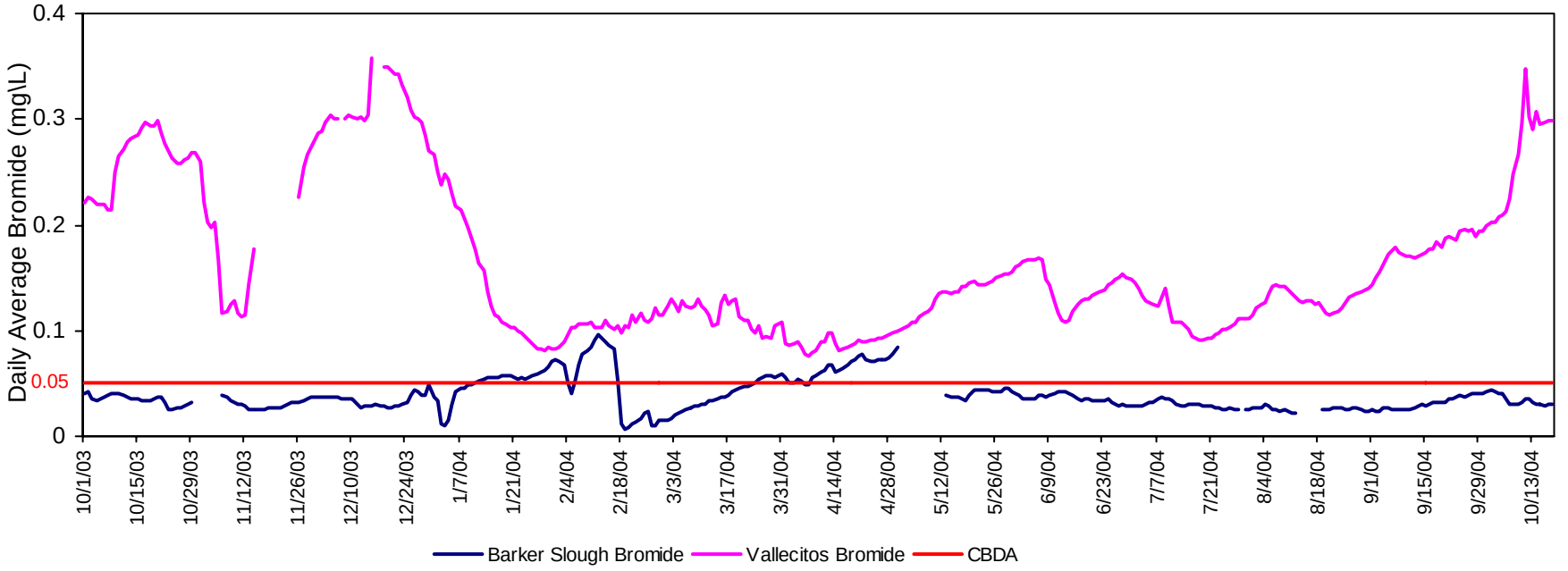
North and South Bay Aqueduct - Calculated Total Dissolved Solids



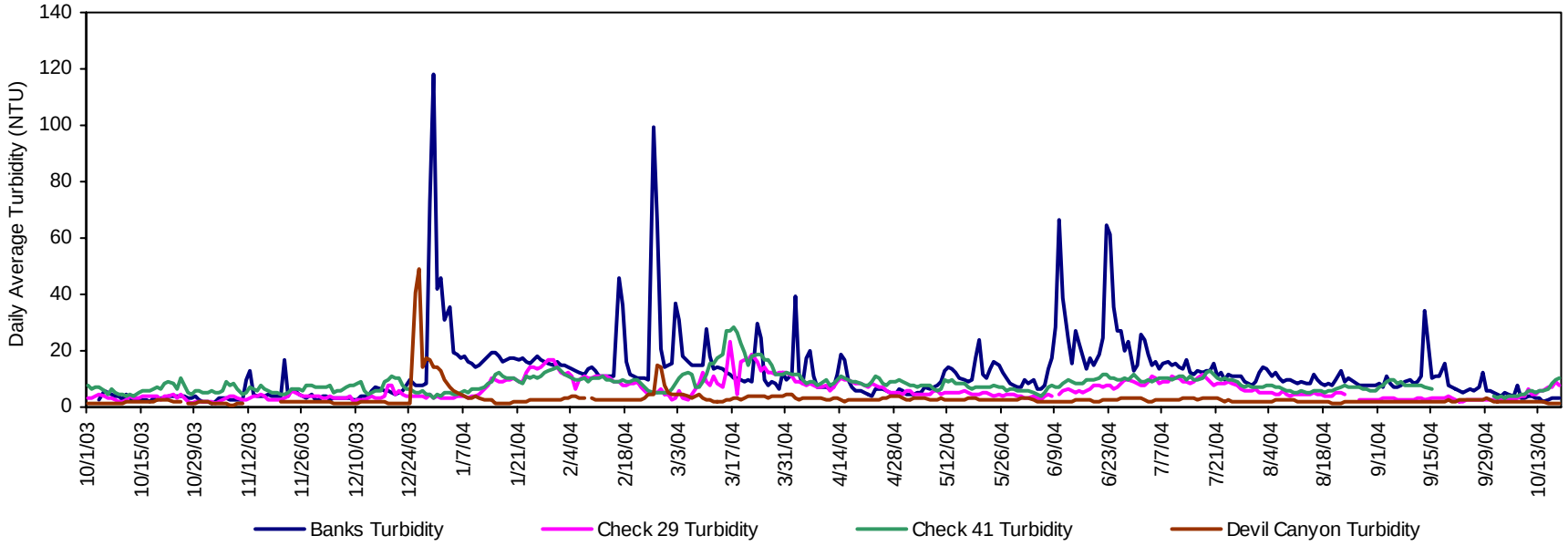
California Aqueduct - Calculated Bromide



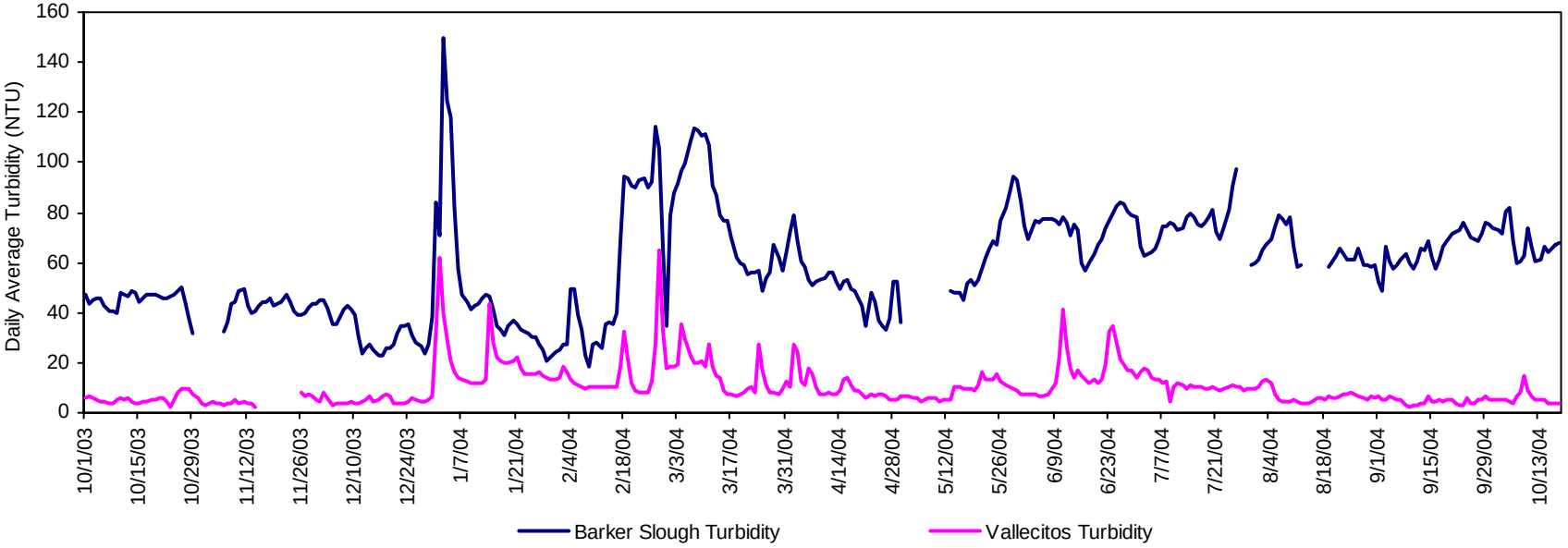
North and South Bay Aqueduct - Calculated Bromide

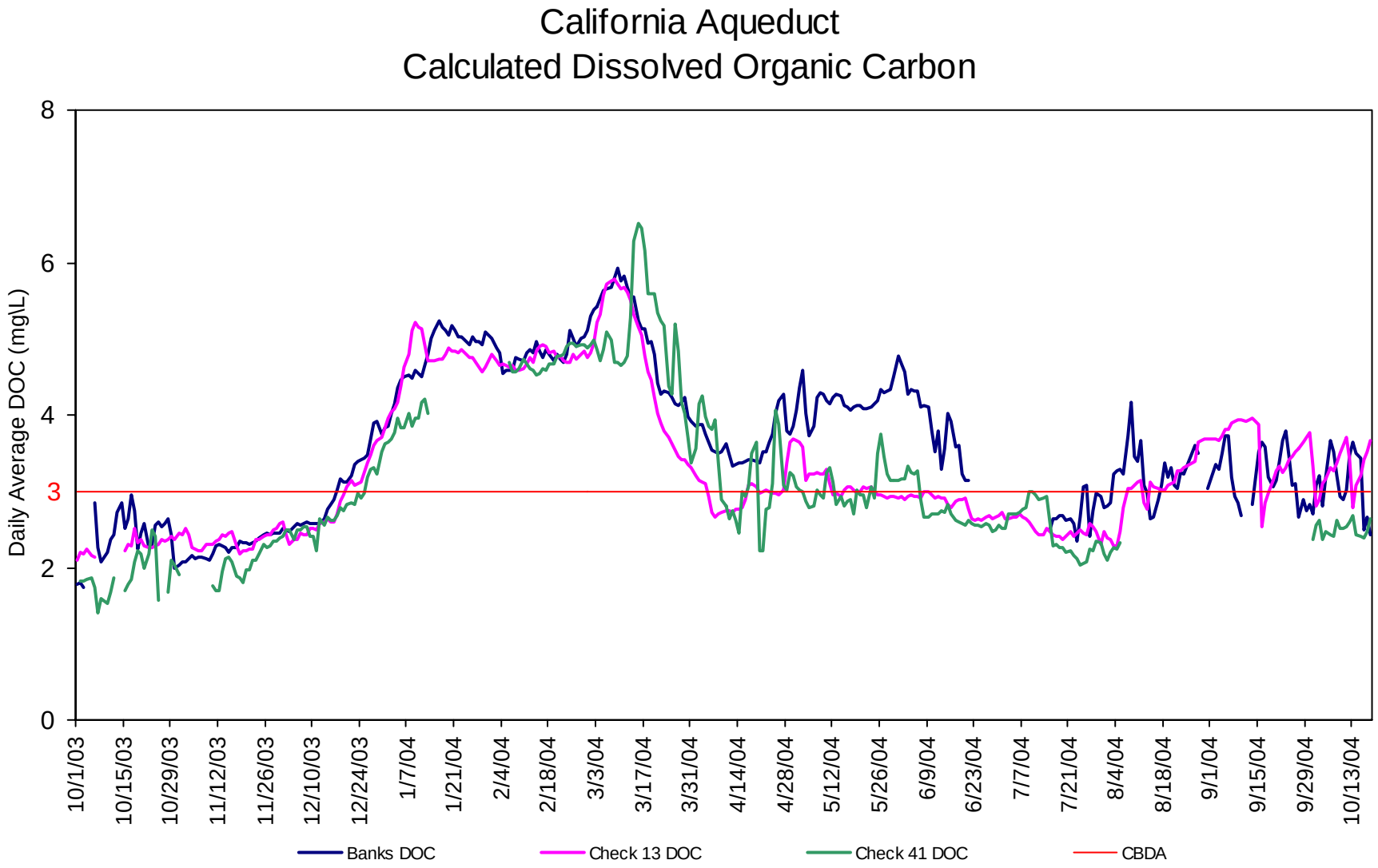


California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity




California Aqueduct
Calculated Dissolved Organic Carbon
Daily Average DOC (mg\L)
8
6
4
3
2
0
10/1/03
10/15/03
10/29/03
11/12/03
11/26/03
12/10/03
12/24/03
1/7/04
1/21/04
2/4/04
2/18/04
3/3/04
3/17/04
3/31/04
4/14/04
4/28/04
5/12/04
5/26/04
6/9/04
6/23/04
7/7/04
7/21/04
8/4/04
8/18/04
9/1/04
9/15/04
9/29/04
10/13/04
Banks DOC
Check 13 DOC
Check 41 DOC
CBDA